

500DA2Q-HD-N

HD/SD-SDI Dual Non-Reclocking Distribution Amplifier (32 1x4 DA's in 3RU Rack Space)

The 500DA2Q-HD-N Dual HD/SD-SDI Non-Reclocking Distribution Amplifier provides the highest density DA in the industry allowing up to 32 HD-SDI or SD-SDI Distribution Amplifiers in a 3RU rack space. It provides inexpensive distribution of your SMPTE 292M (1.5Gb/s), SMPTE 259M (143 to 360Mb/s) or any other SDI signal within the 143Mb/s to 1.5Gb/s range.

The 500DA2Q-HD-N features two auto-equalized inputs. The 500DA2Q-HD is housed in the 500FR **exponent** frame that will hold up to 16 modules.

►Features & Benefits

- Mode for SMPTE 292M (1.5Gb/s) or SMPTE 259M (143-360Mb/s)
- Fully hot-swappable from front of frame with no BNC disconnect required
- Independent isolated output drivers to ensure no cross channel loading effects (i.e. no need to terminate unused outputs)
- Module health and Status LEDs
- Carrier Present LEDs for each DA channel
- Tally output on Frame Status bus upon loss of input signal
- VistaLINK® -capable for remote monitoring via SNMP (using VistaLINK® PRO) when installed in 500FR frame with 500FC VistaLINK® Frame Controller

Inputs

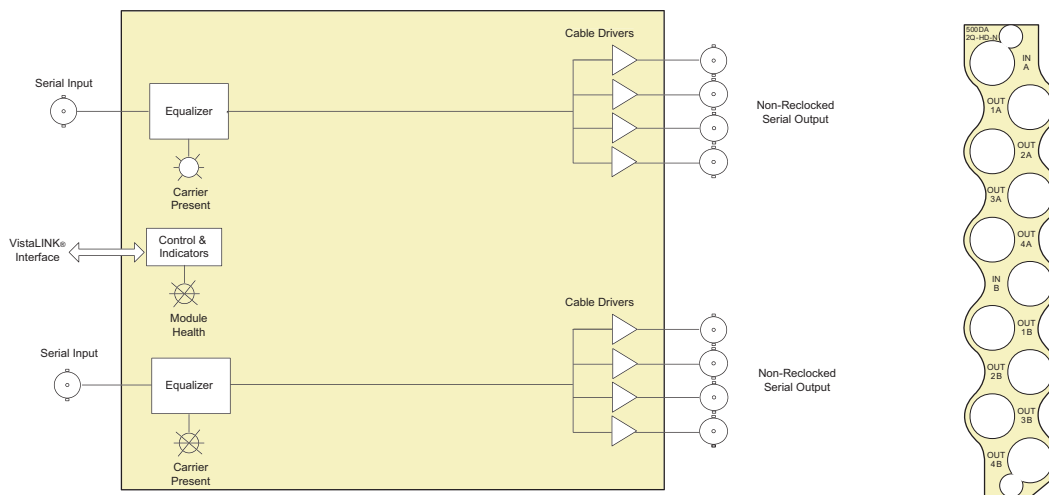
- 2 inputs
- SMPTE 292M (1.5Gb/s) and SMPTE 259M Compliant
- Auto equalization to 100m Input A, 90m Input B (Belden 1694A) @ 1.5Gb/s

Outputs

- 4 non-reclocked outputs per input
- Jitter <0.2 UI

Card Edge LEDs

- Module Health Status
- Carrier Present



►Specifications

Serial Video Input:

Standards: Any SDI signal in the 143Mb/s to 1.5Gb/s range
Connectors: 2 BNC per IEC 61169-8 Annex A

Equalization:

Input A: Automatic to 100m @ 1.5Gb/s with Belden 1694A or equivalent cable
Input B: Automatic to 90m @ 1.5Gb/s with Belden 1694A or equivalent cable
Return Loss: >15dB up to 1.5Gb/s

Serial Video Outputs:

Number of Outputs: 4 non-reclocked from each input
Connector: BNC per IEC 61169-8 Annex A
Signal Level: 800mV nominal
DC Offset: 0V ±0.5V
Rise & Fall Time: 200ps nominal
Overshoot: <10% of amplitude
Return Loss: >10dB up to 1.5Gb/s
Jitter: <0.2 UI

Electrical:

Voltage: +12V DC
Power: 6W
EM/RFI: Complies with FCC Part 15 Class A
EU EMC Directive

Physical:

Number of slots: 1

►►►Ordering Information

500DA2Q-HD-N HD/SD-SDI Dual Non-Reclocking Distribution Amplifier (32 1x4 DA's in 3RU Rack Space)

Enclosures:

500FR **exponent** Compact High Density Distribution Frame
S501FR Standalone enclosure

